Modular Catastrophic Recovery System (MCRS)
(version 3.0)

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This System Training Plan (STRAP) is preliminary.
Front end analysis (mission, task, job) is ongoing. SCoE will amend
and update this STRAP as details solidify.

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* None

1.0 System Description

The Modular Catastrophic Recovery System (MCRS) consists of a M983A4 Light Equipment Transport (LET), a M250A2 Fifth Wheel Towing and Recovery Device (FWTRD) and a XM1250 Tilt Deck Recovery Trailer (TDRT). Additional items also include a 35,000-pound winch kit attached to the FWTRD and all Basic Issue Items (BII) needed for recovery operations. The MCRS has a payload of 70,000-pound, which will enable Soldiers to recover and evacuate 97% of the Army wheeled vehicle fleet. This STRAP supports the continuing procurement, life-cycle cost, and fielding of the MCRS to support training. This STRAP does not address the requirements of the LET tractor or any other prime mover that may be used with the MCRS. The LET has been determined to be the most capable fifth-wheel tractor currently available to the Army to provide the mobility required for the MCRS.

First Unit Equipped under an Operational Needs Statement was Mar 2012.

2.0 Target Audience

Training will be required for all personnel assigned operator, maintenance or supervisory duties in units where the MCRS is fielded or to units selected to deploy.

There are no projected changes to Military Occupation Specialties (MOS) structure

Career Management Field (CMF) affected at gaining unit:

- MOS 91B10 Wheel Vehicle Mechanic (ASIH8)
- MOS 91S10 Stryker System Mechanic (ASIH8)
- MOS 91E30 Metal Worker (ASIH8)
- MOS 915A Automotive Maintenance Warrant Officer
- MOS 913A Armament Maintenance Warrant Officer
- MOS 914A Allied Trades Warrant Officer

3.0 Assumptions

* The Materiel Developer, as the Total Life-Cycle Systems Manager
  (TLCSM),shall include training in the same manner as the System Model. This

  will include but not be limited to training software and courseware that
  will be designed and developed in a reusable and maintainable format, i.e.,

  Defense Information Infrastructure Common Operating Environment and
  Sharable
  Courseware Object Reference Model (SCORM) compliant.

* Accepted Department of Defense (DoD) standards such as Army Distributed
  Learning/SCORM, Joint Technical Architecture-Army, ATIA-M, and Common
  Training Instrumentation Architecture shall be implemented in the design
  and
  development of embedded and distributed learning products.

* All training is contingent upon the availability of resources
  outlined in this STRAP and its annexes. Training may need to be increased
  beyond current levels to accommodate installation and repair of A, B and C
  kit
  armor.

4.0 Training Constraints

Equipment density or Lack of MCRS	38 Systems are required for training at the RTS-M. At current AAO only 17 will be fielded, 1 each per site. Mitigation: Course managers shall adjust training as needed to mitigate any safety concerns.

5.0 System Training Concept

The MCRS training program will be implemented in two phases:

1) New Equipment Training (NET)

2) Institutional Training

3) Unit sustainment Training

The Materiel Developer (MATDEV) will provide a complete Training Support Package (TSP) that will support all phases of Operator/Crew, Maintainer and sustainment training for the MCRS . The system TSP will be developed in accordance with TRADOC Regulation 350-70 Army Learning Policy and Systems and all training development products, such as Tasks, Lesson Plans, CADs/POIs, etc. shall be entered into TRADOC's Training Development Capabilities (TDC) Database.

This will be concurrently developed with the system and delivered in draft to United States Army Combined Arms Command (USACASCOM), Training Support Directorate (TSD), System Integration Division (SID), for review and approval 60 days prior to Test Player training for the Operational or Limited User Test and Evaluation (LUT&E). The MCRS TSP will include technical manuals, Electronic Technical Manuals (ETM)/Interactive Electronic Technical Manuals (IETM), a task list, lesson plans, student guides, Program of Instruction (POI) and a Web-based Interactive Multi-Media (IMI) training package on the operation and maintenance of the MCRS provided to facilitate distributed learning (dL). The MCRS TSP will be delivered for final review and approval to USACASCOM, TSD, SID, NLT 120 days prior to Materiel Release.

5.1 New Equipment Training Concept (NET)

The Materiel Developer (MATDEV) will ensure a NET Support Package is developed in coordination with USACASCOM to support all training for Operator/Crew Chief, Maintainer and Sustainment Training and be IAW TRADOC Regulation 350-70.   The NET TSP will be developed concurrently with MC-RS program and be developed IAW the Training Requirements Analysis System (TRAS)

process. The NET support package will include technical manuals (ETM/IETMs format), task list, Program of Instruction (POI), Lesson Plans, Instructor Guides, Student Guides, and Web-based IMI DL package. Units undergoing NET will be provided copies of the TSP and IMI DL package to facilitate unit sustainment training.

All personnel attending NET shall be a graduate of the Recovery Course ASIH8.

5.2 Displaced Equipment Training (DET)

Not Applicable

5.3 Doctrine and Tactics Training (DTT)

To be developed by TPO BDAR.

5.4 Training Test Support Package (TTSP)

 The Training Developer (TD) will provide the Training Test Support Package (TTSP) to the operational test support package. All required publications, technical manuals, Electronic Technical Manual (ETM), task list, lesson plans, student guides, program of instruction minus the required Web-based IMI shall be delivered for review and approval by United States Combined Arms Command (USACASCOM), Training Support Directorate (TSD), and System Integration Division (SID) within 60 days of operational test.   The final TTSP will consist of:

 All required publications

- Electronic Technical Manual/ Interactive Electronic Technical Manuals(ETM/IETMs)
- Task List
- Lesson Plans

- Student Guides

- Program of Instruction (POI)

- Student Evaluations

- Training Evaluations

6.0 Institutional Training Domain

Identified target audience institutional training is planned for Additional Skill Identifier (ASI) H8 Recovery Vehicle Operator Course and the Warrant Officer Basic Course (WOBC) at the Ordnance School (Fort Lee, VA), and Regional Training Sites for The United States Army Reserve (USAR) and the United States Army National Guard (USANG).

6.1 Institutional Training Concept and Strategy

The training concept is in accordance with section 5.0 (System Training Concept) which describes the implementation of three phases training.

The MCRS training strategy requires the system to be incorporated into the institutional operator ASI H8 and Warrant Officer Basic course for both active and
reserve components. The system will be trained using a combination of classroom and Practical Exercises utilizing the actual system. The MCRS will be institutionally trained in the Recovery vehicle Operators Course to MOS's 91B10 and 91S10, 91E30, 915A, 913A, and 914A.

6.1.1 Product Lines

The Materiel Developer shall provide the following products for institutional training:

NET Support Package which includes:
Electronic Technical Manuals (ETM)

Task List

Program of Instruction (POI)

Lesson Plans

Special tools

1 ea per system Code H vehicles (MRAP and STRYKER) Vehicles for training aids.

5 ea MCRS to Fort Lee, VA

1 EA MCRS to each RTS-M that conducts course ASI H8.

6.1.1.1 Training Information Infrastructure

All training products and courseware design will be in accordance with AR 350-
1 and
TRADOC Pam 350-70-1 Total Army Training System (TATS) distributive learning
program standards and
standardized design tools. dL packages will be Shareable Content Reference
Mode (SCORM) compliant to be delivered via the WWW on the Army Training
Network (ATN). Individual training courses and materials developed
to support the MCRS will be developed and implemented as TATS
courses/products. Courseware should be developed to replicate the routine
tasks and procedures which will be encountered in the work environment.

6.1.1.1.1 Hardware, Software, and Communications Systems

 Distance Learning (dL) packages will be in the form of electronic portable
media and will include any procedural or doctrinal changes and any upgrades or
other changes to the MC-RS training. The Materiel Developer (MATDEV) will
create and field the dL packages that involve system-specific upgrades and
changes. Units must have access to computers with web browser capability,
which will be used as training tools for all training packages generated by
the MATDEV. The dL package will be developed IAW TRADOC Regulation 350-70 and
TRADOC Pamphlet 350-70-12 and will be World Wide Web (WWW) deliverable and
have the capability to reside on the Army's Sustainment Knowledge Network
(ASNN). The dL packages will have the capability to be downloaded from the

Web.

6.1.1.1.2 Storage, Retrieval, and Delivery

The Materiel Developer shall deliver all training products at completion of project for input into the Training Development Capability (TDC). Units shall be able to retrieve training products from the Reamer Digital Library (RDL) by accessing the Army Blackboard to conduct Computer Based Instruction (CBI) and sustainment training.

6.1.1.1.3 Management Capabilities

The Training Development Capability (TDC) data base is used to track Training Support System (TSS) products. The Army Learning Management System (ALMS) and Army Training Requirements and Resources System (ATRRS) will be used to schedule, deliver and record completion of training.

6.1.1.1.4 Other Enabling Capabilities

Interoperability and data exchange as required by the Training Support System (TSS) will exist with the Army Training Integrated Architecture (ATIA), the Common Training Instrumentation Architecture (CTIA), and the Live-Virtual-Constructive Integrated Architecture (LVC-IA) to support the primary components of the TSS Training Information Infrastructure (TII). Additionally, the capability for common communications and data exchange operating environment shall be integral to the Army Brigade Modernization (ABM) and shall be incorporated into the vehicle systems.

6.1.1.2 Training Products

The Materiel Developer (MATDEV) shall provide a MCRS Training Support Package (TSP) that can be used to support training at the Institution and distributed Learning (dL). The MATDEV shall also be responsible for upgrading the Training Support Packages (TSPs) as newer versions of hardware/software become available and modifications are made to the MCRS . TRADOC TPO BDAR will develop tactics, techniques, and procedures (TTPs) that will detail the concept of operations, effects on mission planning, capabilities and limitations of the vehicle.

The MATDEV, as the Total Life-cycle Systems Manager (TLCSM) shall include training in the same manner as the vehicle Model. This shall include, but not be limited to, training software and courseware that shall be designed and developed in a reusable and maintainable format, i.e., Defense Information Infrastructure Common Operating Environment and Sharable Courseware Object Reference Model (SCORM) compliant. Additional training products are addressed in the subparagraph's below.

6.1.1.2.1 Courseware

The Materiel Developer (MATDEV) will provide a MCRS multi-media training support package that can be used to support training at installations, Ordinance Schools as well as support sustainment and distance learning training. The MATDEV will also be responsible for upgrading the Training Support Packages (TSPs) as newer versions of software become available and modifications are made to the MCRS system. The TRADOC developed tactics, techniques, and procedures (TTPs) will detail the concept of operations, effects on mission planning, capabilities and limitations of the equipment, and broadcast systems received by the system.

6.1.1.2.2 Courses

Training courses will be provided for the following MOSs:

- Operator/Crew: Additional Skill Identifier (ASI) H8 Recovery Vehicle Operator (91B10, 91S10 and 91E30)

- Warrant Officer Basic Course for 915A, 913A, and 914A.

- Maintainer: 91B – Wheeled Vehicle Mechanic course

Below is a Course Chart for Operators of the MCRS:

MOS	SCHOOL	Instructor Student/Ratio Classroom	Instructor Student/Ratio Hands On	TADSS	Location
(91B10, 91S10, 91E30) ASI H8	Ordnance	1:18	1:4	no	Fort Lee, VA and 17 RTS-M
Warrant					Fort Lee,

Officer Basic Course (913A, 914A, and 915A)	ALU	1:16	1:4	no	VA and 17 RTS-M

6.1.1.2.3 Training Publications

- Operator and maintainer Technical Manuals (TMs) shall be developed IAW MIL STD 40051-2, DEPARTMENT OF DEFENSE STANDARD PRACTICE PREPARATION OF DIGITAL TECHNICAL INFORMATION FOR PAGE-BASED TECHNICAL MANUALS.

- The materiel Developer shall conduct a hands on verification of the operator and maintainer ETM prior to Full Materiel Release.

6.1.1.2.4 Training Support Package (TSP)

 The Materiel Developer shall ensure a NET Support Package is developed in coordination with USACASCOM Training Developer to support all training for Operator/Crew Chief, Maintainer and Sustainment Training and be IAW AR 350-1 and TR 350-70. All lessons will be developed using the Systems Approach to Training process as stated in the regulations listed in section 5.0 .

6.1.1.3 TADSS

Not Applicable

6.1.1.4 Training Facilities and Land

- Facilities and land may require expansion or renovation to support training the MCRS.

- Current facilities should be assessed to ensure the current maintenance structure can adequately support the system.

6.1.1.4.1 Ranges

A 40 Acre Recovery Training Range is required at each training site. Range shall include but not be limited to a driving course and mire pits.

6.1.1.4.2 Maneuver Training Areas (MTA)

Not Applicable

6.1.1.4.3 Classrooms

 Sufficient classrooms are currently available at all of the institutions supporting operator and maintenance training for the MCRS.   Automation equipment such as projectors, computers and video screens will be available.

 See section 6.1.1.2.2 for institutionally trained courses and the Student to Instructor ratios.

6.1.1.4.4 CTCs

Not Applicable

6.1.1.4.5 Logistics Support Areas

Not Applicable

6.1.1.4.6 Battle Command Training Centers (BCTC)

Not Applicable

6.1.1.5 Training Services

Not Applicable

6.1.2 Architectures and Standards Component

 The Architectural and Standards Component of institutional Training Support Systems (TSS) for the MCRS will describe the connection of integration and

interoperability across product lines.

 Accepted Department of Defense (DoD) standards such as Army Distributed Learning/SCORM, Joint Technical Architecture-Army, ATIA-M, and Common Training Instrumentation Architectures shall be implemented in the design and development of embedded and distributed learning products.

6.1.2.1 Operational View (OV)

 The Institutional Operational View begins with the following steps:

 Institutional Architecture

 New Equipment Training Support Package (NETSP) which shall be developed by the Materiel Developer

- NETSP must contain instruction on performing operator and maintainer tasks

- Tactics Techniques and Procedures (TTP) developed by the institution

- Combat Developer must be associated with the fielding of the new system

- Complete NETSP is handed off to the institution

- Institution develops POIs and lessons to support institutional teaching when needed

- Institution submits CADs and develops and revises individual critical tasks and collective tasks

 The systems capability does not have a Command, Control, Communications, Computers, and Intelligence (C4I) interface with any other system or capability. The architecture enclosed supports the Concept of Operations Summary (CONOPS) for this system which is listed in section three of the Capabilities Production Document (CPD).

6.1.2.2 Systems View (SV)

Modular Catastrophic Recovery System (MCRS) – OV-1
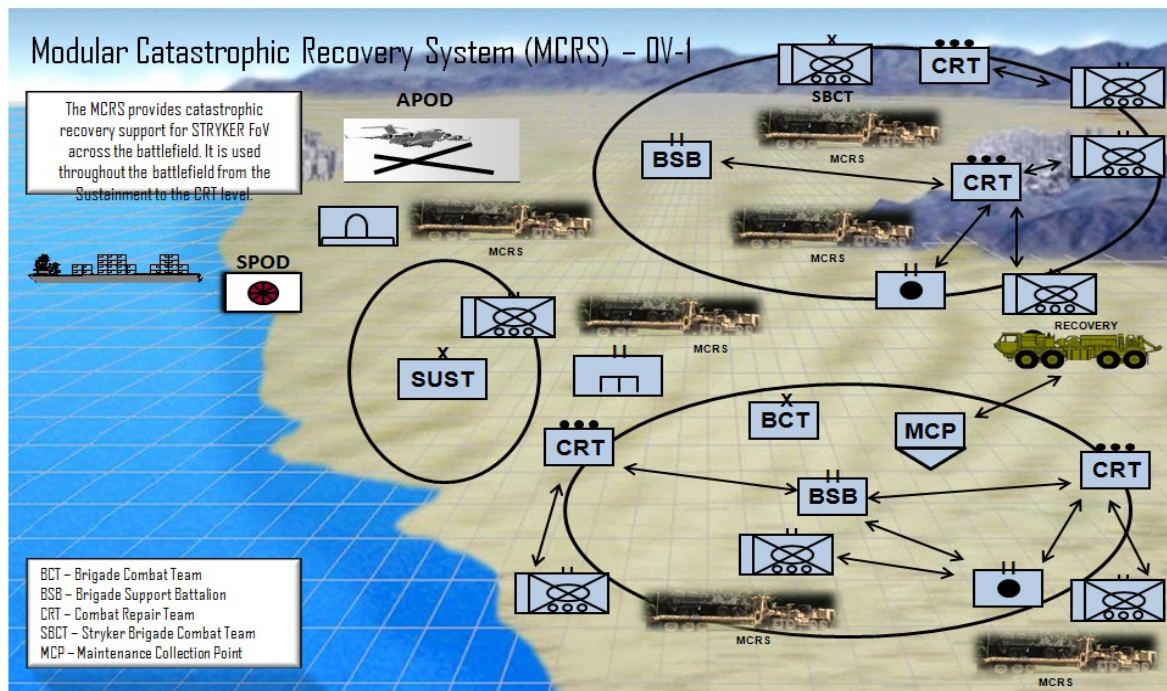
Currently there is no intelligence interface with any other system or capability.

6.1.2.3 Technical View (TV)

6.1.3 Management, Evaluation, and Resource (MER) Processes Component

The MCRS shall undergo a logistics demonstration and Technical Manual Verification using target audience Soldiers to verify all operator and maintenance tasks, capture projected annual maintenance man-hour data, and form the basis for developing the Basis of Issue Feeder Data (BOIPFD) and Manpower Requirements Criteria (MARC) data. Contractor validated and Government verified Technical Manuals (TM) produced IAW MIL STD 40051-2 are required for the logistics demonstration. These requirements must be identified within the system(s) Test and Evaluation Master Plan (TEMP). A

System Support Package (SSP) must accompany each test article. The SSP is a composition of the support resources required to keep all systems of a test article in an operationally ready condition. It must contain the necessary spare parts, maintenance documentation, maintenance equipment, support vehicles, personnel needed to augment the resident team and other resources that the Supplier determines are necessary to ensure that the test article platform remains operationally ready to support platform system-level tests.

6.1.3.1 Management

 The Training Developer and Combat Developer will ensure all aspects of training are identified and implemented. Both will participate in strategy development with regards to tactical operations and training, and will monitor, comment on, and attend concept development and experimentation meetings dealing with the MCRS . Training requirements will be developed and incorporated in requirements documents and a System Training Plan (STRAP) developed and updated as required by the Joint Capabilities Integration and development System (JCIDS).

6.1.3.1.1 Strategic Planning

Not Applicable

6.1.3.1.2 Concept Development and Experimentation (CD&E)

Not Applicable

6.1.3.1.3 Research and Studies

Not Applicable

6.1.3.1.4 Policy and Guidance

- AR 350-1 (Army Training and Leader Development)

- AR350-38(Training Device Policies and Management)

- AR 600-55 (The Army Driver and Standardization Program)

- TC 21-305-20 (Manual for the Wheeled Vehicle Driver)

- TC 21-305-1 (Training Program for the Heavy Expanded Mobility Tactical Truck)

- AMC Pam 25-31 (Preparation of Plans for Technical Publications Verification)

- TRADOC Regulations 350-70 Army Learning Policy and Systems

- SOC Regulation 71-20 (Concept Development, Experimentation, and Requirements Determination)

- TRADOC Pamphlet 350-70-12 (Distributed Learning-Managing Courseware Production and Implementation)

- TRADOC Pamphlet 350-70-2 (Multimedia Courseware Development)

- FM 7-1 (Battle Focused Training)

- DOD directive 5000.1, 5000.2 and CJCSI

- FM 3-11.5 (Multiservice Tactics, Techniques and Procedures for Chemical, Biological, Radiological and Nuclear Decontamination)

- The Army Universal Task List (AUTL), dated February 2009

- AR 750-1 (Army Material Maintenance Policy)

- DA PAM 750-8 (The Army Maintenance Management System Users Manual)

6.1.3.1.5 Requirements Generation

This STRAP supports the Capability Production Document, MCRS

6.1.3.1.6 Synchronization

The fielding of the MCRS will be synchronized with the following as **applicable:**

- BOIP

- OIF and OEF unit rotational units

- Power projection platforms

- Training institutions

- RSO sites

6.1.3.1.7 Joint Training Support

Not Applicable

6.1.3.2 Evaluation

Post Fielding Training Effectiveness Analysis (PFTEA) shall be used to evaluate the NET.

Proponents must receive feedback from using units to ensure their training and training support products meet unit needs. This feedback will be used to assist proponents in improving their products and provides lessons learned that can affect the next generation of materiel systems.

6.1.3.2.1 Quality Assurance (QA)

Refer to section 6.1.3.

6.1.3.2.2 Assessments

Refer to section 6.1.3.

6.1.3.2.3 Customer Feedback

The following tools will be used:

Electronic media for surveys, help desks, collaboration

Interviews and questionnaires

6.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

Training institutions will leverage the Center for Army Lessons Learned (CALL) and the Battle Command Knowledge System (BCKS) databases for new TTPs as well as conducting face to face interviews with units/individuals returning from theater to ensure training programs and instruction remain current and relevant.

6.1.3.3 Resource

Total resources needed to support institutional training of course ASI H8, 22 MCRS and 22 Stryker code X vehicles.   Code X Stryker Hulks are required for training lift tow and evacuation.

Requirements are as follows:

Active Duty Systems

MCRS	Fort Lee Threshold = Objective
ASI-H8, WOBC	5

National Guard RTS-M

Threshold	Objective	Locations
1 each	2 each	Camp Roberts , CA
1 each	2 each	Starke , FL

1 each	2 each	Hinesville , GA
1 each	2 each	Pearl City , HI
1 each	2 each	Camp Dodge , IA
1 each	2 each	Boise , ID
1 each	2 each	Salina , KS
1 each	2 each	Camp Custer , MI
1 each	2 each	Camp Ripley, MN
1 each	2 each	Jefferson City , MO
1 each	2 each	Camp Shelby , MS
1 each	2 each	Fort Dix , NJ
1 each	2 each	Fort Bragg , NC
Total = 13	Total Trainers = 26	

USAR RTS-M

1 each	2 each	Fort Indiantown Gap, PA
1 each	2 each	Fort Hood , TX
1 each	2 each	Fort McCoy , WI

1 each	2 each	Fort Devens , MA
Total = 4	Total Trainers = 8	Total Costs of resources for all Training Threshold:$14,278,000.00 Objective: $27,907,000.00

USA CASCOM and the Ordnance School are conducting an analysis to combine the current Track and Wheel ASI H8 courses and consolidate training locations.

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7.0 Operational Training Domain

The operational training encompasses training activities that units and organizations undertake; to include training at home stations, during joint training exercises, at mobilization centers and while operationally deployed. The unit commanders are responsible for proficiency of their Soldiers, subordinates and leaders from training base schools that are trained on the fundamentals of their military specialty; provides training support products that enable leaders to plan, execute and evaluate training, mission rehearsals, to assess operations and lessons learned.

7.1 Operational Training Concept and Strategy

The operational training strategy consists of system training and certification on the operation and maintenance of the MCRS, training will be conducted with forklift. The Program Manager (PM) will ensure all training products can easily be adapted for operational training and unit sustainment training. Unit commanders will ensure unit sustainment training is conducted IAW the unit's CATS, as well as other training materials left behind as part of the NET package. Proponent need to ensure that sustainment training requirements are integrated into the unit CATS. Individual skills will also be sustained during monthly operation of the MCRS, which is a critical part of maintaining operator proficiency.

7.1.1 Product Lines

Same as 6.1.1 through 6.1.3.3 except POIs and resident course training materials are not used routinely within units.

7.1.1.1 Training Information Infrastructure

Refer to section 6.1.1.1

7.1.1.1.1 Hardware, Software, and Communications Systems

Refer to section 6.1.1.1

7.1.1.1.2 Storage, Retrieval, and Delivery

Refer to 6.1.1.1.2.

7.1.1.1.3 Management Capabilities

Management of the delivery of training products to the operational force will be done through DTMS IAW AR 350-1. The Training Development Capability (TDC) data base is used to track Training Support System (TSS) products.

7.1.1.1.4 Other Enabling Capabilities

Not Applicable

7.1.1.2 Training Products

- Soldier Training Publications

- Training Circulars

- TSPs for collective tasks

- TSPs for individual tasks

- Interactive Courseware

- Technical Manuals

7.1.1.2.1 Courseware

Not Applicable

7.1.1.2.2 Courses

Not Applicable

7.1.1.2.3 Training Publications

- AR 350-1 (Army Training and Leader Development)

- AR 350-38 (Training Device Policies and Management)

- AR 600-55 (The Army Driver and Standardization Program)

- AMC Pam 25-31 (Preparation of Plans for Technical Publications Verification)

- TRADOC Regulations 350-70 (Army Learning Policy and Systems)

- TRADOC Regulation 71-20 (Concept Development, Experimentation, and Requirements Determination)

- TRADOC Pamphlet 350-70-12 (Distributed Learning-Managing Courseware Production and Implementation)

- TRADOC Pamphlet 350-70-2 (Multimedia Courseware Development)

- FM 7-1 (Battle Focus Training)

- DOD directive 5000.1, 5000.2 and CJCSI

- FM 3-11.5- (Multiservice Tactics, Techniques and Procedures for Chemical, Biological, Radiological and Nuclear Decontamination)

- Army Universal Task List (AUTL), dated 27 February 2009

- AR 750-1 (Army Material Maintenance Policy)

- DA PAM 750-8 (The Army Maintenance Management System Users Manual)

- FM 4.30.31 (ATTP 4.31)

7.1.1.2.4 TSP

Refer to section 6.1.1.2.4

7.1.1.3 TADSS

Not Applicable

7.1.1.4 Training Facilities and Land

Refer to section 6.1.1.4

7.1.1.4.1 Ranges

Not Applicable

7.1.1.4.2 Maneuver Training Areas (MTA)

Not Applicable

7.1.1.4.3 Classrooms

Not Applicable

7.1.1.4.4 CTCs

Not Applicable

7.1.1.4.5 Logistics Support Areas

Not Applicable

7.1.1.4.6 Battle Command Training Centers (BCTC)

Not Applicable

7.1.1.5 Training Services

Not Applicable

7.1.2 Architectures and Standards Component

Refer to section 6.1.2

7.1.2.1 Operational View (OV)

7.1.2.2 Systems View (SV)

7.1.2.3 Technical View (TV)

7.1.3 Management, Evaluation, and Resource (MER) Processes Component

7.1.3.1 Management

 Refer to section 6.1.3

7.1.3.1.1 Strategic Planning

Not Applicable

7.1.3.1.2 Concept Development and Experimentation (CD&E)

Not Applicable

7.1.3.1.3 Research and Studies

Not Applicable

7.1.3.1.4 Policy and Guidance

Refer to section 6.1.3.1.4

7.1.3.1.5 Requirements Generation

Refer to section 6.1.3.1.5

7.1.3.1.6 Synchronization

 Refer to section 6.1.3.1.6

7.1.3.1.7 Joint Training Support

Not Applicable

7.1.3.2 Evaluation

Refer to section 6.1.3

7.1.3.2.1 Quality Assurance (QA)

Refer to section 6.1.3.2.1

7.1.3.2.2 Assessments

Refer to section 6.1.3.2.2

7.1.3.2.3 Customer Feedback

Refer to section 6.1.3.2.3

7.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

Refer to section 6.1.3.2.4

7.1.3.3 Resource Processes

Refer to section 6.1.3.3

8.0 Self-Development Training Domain

Self development training will emphasize using Distributed Learning (dL). dL packages will be in the form of electronic portable media and will include any procedural or doctrinal changes and any upgrades or other changes to the MC-RS training. The materiel developer will create and field the dL packages that involve system-specific upgrades and changes. If dL is not yet embedded on the operational equipment, the units must have access to computers with web browser capability, which will be used as training tools for all training packages generated by the materiel developer. The dL package will be developed IAW TRADOC Regulation 350-70 and TRADOC Pamphlet 350-70-12. dL packages will be World Wide Web deliverable and have the capability to reside on the Army Sustainment Knowledge Network. dL packages will have the capability to be

downloaded from the Web .

8.1 Self-Development Training Concept and Strategy

8.1.1 Product Lines

All training products and courseware design will be in accordance with the Total Army Training System (TATS) distributive learning program standards and standardized design tools. Individual training courses and materials developed to support the MC-RS system will be developed and implemented as TATS courses/products.

8.1.1.1 Training Information Infrastructure

8.1.1.1.1 Hardware, Software, and Communications Systems

The Materiel Developer, as the Total Life-Cycle Systems Manager (TLCSM),shall include training in the same manner as the System Model. This will include but not be limited to training software and courseware that will be designed and developed in a reusable and maintainable format, i.e., Defense Information Infrastructure Common Operating Environment and Sharable Courseware Object Reference Model (SCORM) compliant.

8.1.1.1.2 Storage, Retrieval, and Delivery

Soldiers will be able to access the Army Blackboard to retrieve any training used to conduct Computer Based Instruction (CBI) and sustainment training.

8.1.1.1.3 Management Capabilities

The Training Development Capability (TDC) is the data base is used to track Training Support System (TSS) products. The Army Learning Management System (ALMS) and ATRRS will be used to schedule, deliver and record completion of training

8.1.1.1.4 Other Enabling Capabilities

8.1.1.2 Training Products

Refer to 6.1.1.2

8.1.1.2.1 Courseware

8.1.1.2.2 Courses

8.1.1.2.3 Training Publications

Refer to 6.1.1.2.3

8.1.1.2.4 Training Support Package (TSP)

8.1.1.3 Training Aids, Devices, Simulators and Simulations (TADSS)

8.1.1.3.1 Training Aids

The MATDEV shall develope an IMI product for the MCRS to support sustainment training for the soldier. Task shall depict scenario based training and the operation of the MCRS. The IMIs shall also provide for creation of training scenarios andf be based on the critical task approved by the TNGDEV. Tutorials

shall be embedded in all IMIs to provide convenient instructional assistance during training. DTV will be developed IAW TRADOC Pam. 350-70-12

8.1.1.3.2 Training Devices

Not Applicable

8.1.1.3.3 Simulators

Not Applicable

8.1.1.3.4 Simulations

Not Applicable

8.1.1.3.5 Instrumentation

Not Applicable

8.1.1.4 Training Facilities and Land

Not Applicable

8.1.1.5 Training Services

8.1.1.5.1 Management Support Services

8.1.1.5.2 Acquisition Support Services

8.1.1.5.3 General Support Services

8.1.2 Architectures and Standards Component

Not Applicable

8.1.3 Management, Evaluation, and Resource (MER) Processes Component

Not Applicable

A Milestone Annex

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET A		PAGE OF PAGES	REQUIREMENTS CONTROL SYMBOL	
SYSTEM	ACAT	OFFICE SYMBOL	AS OF DATE	
POINTS OF CONTACT	NAME		OFFICE SYMBOL	TELEPHONE
MATERIEL COMMAND				
TRADOC PROPONENT				
TCM	N/A			
CD:	Wayne Burton			804-734-1071
TD:	Gregory Gerard		ATCL-TSS	804-765-2409
ATSC:	CPT Debbie Lovelady			
SUPPORTING PROPONENTS:	Ordnance			
ITEM	DATE	RESPONSIBLE AGENCY/POC		TELEPHONE
MNS:				
SMMP:				
MRD:				
ILSMP:				
TTSP:	TBD	TD		
QQPRI:				
BOIP:	TBD	CD		
NETP:	TBD	PM		

COMMENTS:				

B References

- AR 350-1 (Army Training and Leader Development)

- AR350-38(Training Device Policies and Management)

- AR 600-55 (The Army Driver and Standardization Program)

- FM 21-305 (Manual for the Wheeled Vehicle Driver)

- AMC Pam 25-31 (Preparation of Plans for Technical Publications Verification)

- TRADOC Regulations 350-70 (ARMY LEARNING POLICY AND SYSTEMS)

- TRADOC Regulation 71-20 (Concept Development, Experimentation, and Requirements Determination)

- TRADOC Pamphlet 350-70-12 (Distributed Learning-Managing Courseware Production and Implementation)

- TRADOC Pamphlet 350-70-2 (Multimedia Courseware Development)

- FM 7-1 (Battle Focus Training)

- DOD directive 5000.1, 5000.2 and CJCSI

- FM 3-11.5- (Multiservice Tactics, Techniques and Procedures for Chemical, Biological, Radiiological and Nuclear Decontamination)

- Army Universal Task List (AUTL), dated February 2009

- AR 750-1 (Army Material Maintenance Policy)

- DA PAM 750-8 (The Army Maintenance Management System Users Manual)

C Coordination Annex

Organization/POC (Date)	Summary of Comments Submitted (A/S/C)			Comments Accepted/ Rejected						Rationale for Non-Acceptance - S, C
				Accepted			Rejected			
	A	S	C	A	S	C	A	S	C	
v2.2.3 James L Berg 2012/12/03 - 2012/12/04	Document Accepted As Written	0	0	0	0	0	0			-
v2.2.2 Approvals - James L Berg 2012/07/19 - 2012/07/27	No Comments Submitted	0	0	0	0	0	0			-
v2.2.1 Approvals - CPT Debbie Lovelady 2012/06/01 - 2012/06/11	Documented Rejected									
	1	6	1	1	6	1	0	0	0	
v2.2 Army - CAC-T; Training Management Dir 2012/02/06 - 2012/02/10	3	2	2	3	2	2	0	0	0	
v2.2 Army - TRADOC_ARCIC 2012/01/04 - 2012/02/03	No Comments Submitted	0	0	0	0	0	0			-
v2.2 Army - TRADOC Command Safety Office 2012/01/04 - 2012/02/03	No Comments Submitted	0	0	0	0	0	0			-

v2.2 Army - TCM-Transportation 2012/01/04 - 2012/02/03	No Comments Submitted		0	0	0	0	0	0	-
v2.2 Army - TCM-Live 2012/01/04 - 2012/02/03	Document Accepted As Written		0	0	0	0	0	0	-
v2.2 Army - TCM dL 2012/01/04 - 2012/02/03	No Comments Submitted		0	0	0	0	0	0	-
v2.2 Army - TCM ATIS 2012/01/04 - 2012/02/03	No Comments Submitted		0	0	0	0	0	0	-
v2.2 Army - PEO-STRI Customer Support Group 2012/01/04 - 2012/02/03	Document Accepted As Written		0	0	0	0	0	0	-
v2.2 Army - MSCoE - MANSCEN 2012/01/04 - 2012/02/03	2	0	0	1	0	0	1	0	0
v2.2 Army - MCoE - Infantry&Armor School 2012/01/04 - 2012/02/03	11	0	0	11	0	0	0	0	0
v2.2 Army - FCoE - Field Artillery 2012/01/04 - 2012/02/03	4	4	2	4	4	2	0	0	0

v2.2 Army - Combined Arms Center 2012/01/04 - 2012/02/03	No Comments Submitted	0	0	0	0	0	0	–	
v2.2 Army - ATSC Fielded Devices 2012/01/04 - 2012/02/03	Document Accepted As Written	0	0	0	0	0	0	–	
v2.2 Army - ATSC 2012/01/04 - 2012/02/03	4	2	1	4	2	1	0	0	0
v2.1 Peer - SCoE 2011/10/06 - 2011/10/17	No Comments Submitted	0	0	0	0	0	0	–	
v2.1 Peer - ATSC 2011/10/06 - 2011/10/17	No Comments Submitted	0	0	0	0	0	0	–	

Key
Completed Review with Comments
Completed Review, No Comments
Active Review Occurring

DEPARTMENT OF THE ARMY
UNITED STATES ARMY COMBINED ARMS SUPPORT COMMAND
2221 ADAMS AVENUE
FORT LEE, VIRGINIA 23801-2102

REPLY TO
ATTENTION OF

ATCL-T   28 November 2012

MEMORANDUM FOR Commander, U.S. Army Combined Arms Support Command ATTN: (ATCL-TS/Mr. Gregory Gerard), 2221 Adams Avenue, Fort Lee, VA 23801-2102

SUBJECT: Approval of the System Training Plan (STRAP) for the Modular Catastrophic Recovery System (MCRS).

1. Reference TRADOC Regulation 350-70, Army Learning Policy and Systems, 6 December 2011.

2. The STRAP for the MCRS is submitted for approval.

3. The Modular Catastrophic Recovery System (MCRS) STRAP is approved. The approved MCRS STRAP will be posted to the AKO website https://www.us.army.mil/suite/doc/5293185 and in the Central Army Registry (CAR).

4. Point of Contact for this action is Mr. James Berg, DSN 539-1458, james.l.berg.civ@mail.mil

FOR THE COMMANDER

RODNEY D. FOGG
COL, GS
G3